Index of Claims

| Appl | licatio | n/Con | trol | No. |
|------|---------|-------|------|-----|

09/868,489

Examiner

Jennine M. Brown

Applicant(s)/Patent under Reexamination

HESSE ET AL.

Art Unit

1755

| √  | Rejected |
|----|----------|
| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla           | aim      | Date   |                 |          |                 |               |          | Claim Date |          |       |  |              |                 |          | Cla             | aim           | Date   |                     |          |    |          |            |                |         |              |              |                 |          |                |          |
|---------------|----------|--|-----------------|----------|-----------------|---------------|----------|------------|----------|-------|--|--------------|-----------------|----------|-----------------|---------------|--------|---------------------|----------|----|----------|------------|----------------|---------|--------------|--------------|-----------------|----------|----------------|----------|
|               | <u> </u> | lo.  |                 |          |                 |               | T        |            |          |       |  | <del>-</del> |                 |          |                 |               |        |                     |          |    |          | <u> </u>   |                |         |              |              |                 |          |                | - [      |
| Final         | Original | 6/14/05  |                 |          |                 |               |          |            |          |       | Final  | Original     |                 |          |                 |               |        |                     |          |    | Final    | Original   |                |         |              |              |                 |          |                |          |
| 這             | , ří     | 179  |                 |          |                 |               |          |            |          |       | ιĒ   | Ĕ            |                 |          |                 |               |        |                     |          |    | iĒ       | )rić       |                |         |              |              |                 |          | - 1            |          |
|               | )        | Ĺ  |                 |          |                 |               |          |            |          |       |  |              |                 |          |                 |               |        |                     | _[:      |    |          |            |                |         |              |              | ·               |          | $\dashv$       |          |
|               | 1        |  |                 |          |                 |               |          |            |          | _     | <u></u>  | 51           |                 |          |                 |               |        |                     | _ :      |    |          | 101        |                | $\perp$ |              | <u></u>      | Ш               |          | _              |          |
|               | 2        | L  |                 |          |                 |               |          | $\perp$    | $\perp$  | _     |  | 52           |                 |          |                 |               |        |                     | _ :      |    |          | 102        |                |         | ᆚ_           | Ŀ            | Ш               |          | _              |          |
|               | 3        |  | Ш               |          |                 | _             | $\perp$  |            |          | _     |  | 53           |                 |          |                 |               |        |                     | _        |    |          | 103        |                | _ _     | _            |              |                 |          | _              | _        |
|               | 4        |  |                 |          |                 |               | _        |            |          |       | L  | 54           |                 |          | Ш               |               |        |                     | _        |    |          | 104        |                | _       | Ш.           | <u> </u>     | Щ               |          |                | _        |
|               | 5        | _,   |                 |          | $\perp$         | _             | 4        |            | _        | _     | <u></u>  | 55           | $\sqcup$        |          |                 |               |        | <u> </u>            | _        |    |          | 105        | _              |         |              | <u> </u>     |                 | $\Box$   |                | _        |
|               | 6        | V,   | <u>_</u>        | _        | _               | $\rightarrow$ | $\dashv$ |            |          | _     | L  | 56           |                 | $\bot$   | $\sqcup$        | $\perp$       | _      |                     | _ :      |    |          | 106        |                |         | _            | <u> </u>     | Щ               | $\dashv$ |                | ᆜ        |
|               |          | V  | _               | _        | $\perp$         | _             | _        | 4          | _ _      | _     |  | 57           | $\sqcup \bot$   |          |                 | _             |        | $\sqcup$            | _        |    |          | 107        | $\perp$        | Ц.      | ┿            | <u> </u>     |                 | _        | _              | _        |
|               | 8        | /  |                 |          |                 | _             | _        | 4          |          | _     |  | 58           | <b>  -</b>      | _ _      | 1               |               | -      | $\sqcup$            | _        |    |          | 108        |                | _       | $\bot$       |              | Ш               |          | 4              | _        |
|               | 9        | V  |                 | _        |                 | _             | _        | _          | _        | 4     |  | 59           | <b>-</b>        |          | $\vdash$        |               | -      |                     | _        |    |          | 109        | $\dashv$       | -       | <del> </del> | ┞            |                 | $\perp$  | 4              | 4        |
|               |          | V  |                 |          |                 | _             | _        | _          | - -      | 4     | <u> </u>   | 60           | <del>  -</del>  | -        | +               |               | -      |                     |          |    |          | 110        |                | +       | 1            | ╀            | Ш               | $\dashv$ | 4              | 4        |
|               | 11       | <u> </u>   | $\vdash$        |          |                 | -             | -        | _          |          | 4     |  | 61           |                 |          | 1               |               | +      | -                   | -4       |    |          | 111        | $\vdash$       | +       | ļ            | ├            | $\vdash$        | _        |                | 4        |
|               | 12       |  | $\vdash$        |          | _               | -             | -        | _          |          | -     |  | 62           | $\vdash \vdash$ | -        | 11              | -             | +      | $\vdash \vdash$     |          |    |          | 112        |                | - -     | $\perp$      | ├            | $\vdash$        | _        | _              | _        |
|               | 13       | <u> </u>   | Ш               |          | -               |               | -        | -          |          | -     | ļ  | 63           | -               |          | +               | -             |        | -                   | 4        | ,  |          | 113        | -              | +       | -            |              | $\vdash$        | _        |                | _        |
|               | 14       | <u> </u>   | Щ               | _        | +               | +             | $\dashv$ | $\dashv$   | +        | -     |  | 64           | $\vdash \vdash$ | +        | $\sqcup$        | +             | +      | $\vdash \vdash$     | $\dashv$ | 1  |          | 114        | $\vdash$       | -       | +            | $\vdash$     | Ш               | $\dashv$ | _              | _        |
|               | 15       | <del> </del>                                     | Н               |          | -               | -             | -        | -          |          | -     | -  | 65           | -               |          | $\vdash$        | $\dashv$      |        | ├├-                 |          |    |          | 115        | -              | +-      | +-           | ├            | Щ               |          |                |          |
|               | 16       | <u> </u>   | Ш               | _        | $\dashv$        | $\dashv$      | $\dashv$ | $\perp$    | _        | -     | <u> </u>   | 66           | $\vdash \vdash$ | +        | $\vdash \vdash$ |               | +-     | $\vdash \downarrow$ |          |    |          | 116        |                | +       | +-           | -            |                 |          | $\dashv$       |          |
|               | 17       | <del> </del>                                     | Ш               |          | -               | -             | -        |            |          | 4     |  | 67           | $\vdash$        | -        | +               | $\dashv$      |        | $\vdash \vdash$     | -        |    |          | 117        | -              | +       | +            | _            | Н               | _        | $\dashv$       | 4        |
|               | 18       | <del> </del>                                     | $\vdash \vdash$ | -        | -               | -             | +        | -          |          | -     | <u> </u>   | 68           | -               | - -      | $\vdash$        | -             |        | $\vdash \vdash$     | _        | 1  |          | 118        | +              | +       | +-           | -            | Н               |          | $\dashv$       |          |
|               | 19       | ├  |                 |          | _               | +             | -        |            |          | -     | <u> </u>   | 69           | -               |          | $\vdash$        | -             | -      | -                   | 4        |    |          | 119        | _              | -       | +            | ₩            | Н               | _        | $\dashv$       | _        |
|               | 20       | <u> </u>   | Ш               |          |                 | +             | $\dashv$ | -          |          | 4     | <u> </u>   | 70           | -               | -        | -               | _             | -      | <del>  -</del>      | -        | ļ  |          | 120        |                | -       | -            | <del> </del> |                 | _        | -              | 4        |
|               | 21       | $\vdash$   | Н               | _        | +               | +             | +        | -          |          | 4     | <u> </u>   | 71           | $\vdash$        | +        | +               | -             |        | -                   | _        | 1  |          | 121        |                |         | +-           |              | Н               | $\dashv$ | -              |          |
|               | 22       | <u> </u>   | Н               | $\dashv$ | $\dashv$        | +             | +        | $\dashv$   |          | 4     | <u> </u>   | 72           | $\vdash$        | +        | $\vdash$        | +             | +      | $\vdash \vdash$     | -        | -  |          | 122        | $\vdash$       | +       | +            | $\vdash$     | Н               | $\dashv$ | $\dashv$       |          |
|               | 23       | ⊢  | Н               | $\dashv$ | +               | +             | +        | $\dashv$   | -        | -     | <del> </del>                                     | 73           | $\vdash$        | +        | $\vdash$        | +             | +      | $\vdash \vdash$     | -        |    |          | 123        |                |         | +-           | ⊢            | Н               | -        | -              |          |
|               | 24       | -  | Н               | $\dashv$ | $\dashv$        | +             | +        | +          | _        | -     | <u> </u>   | 74           | $\vdash$        |          | ╂               |               |        | -                   | -        |    |          | 124        | -              |         | +            | -            | $\vdash$        | -        | $\dashv$       | ᅴ        |
|               | 25       | $\vdash$   | Н               | $\dashv$ | -               | +             | +        | $\dashv$   |          | -     | <u> </u>   | 75           |                 | +        | ┼╌┤             |               |        |                     | -        |    |          | 125        | $\dashv$       |         | +-           | ⊢            | $\vdash$        | -        | $\dashv$       | $\dashv$ |
|               | 26<br>27 | <u> </u>   | $\vdash$        |          | -+              | -+            | -        | -+         |          | -     | <u> </u>   | 76<br>77     |                 |          | ╁─┤             | $\dashv$      | +-     |                     | $\dashv$ | ŀ  |          | 126<br>127 |                |         | +            | ╁            |                 | $\dashv$ | -+             | $\dashv$ |
|               | 28       |  |                 |          | -+              | -             | $\dashv$ | -+         |          | -     |  | 78           | -               | +        | ╂═┤             | -+            | +      | $\vdash$            | -        |    |          | 128        | -              |         | +            | ╁─           | -               | $\dashv$ | -+             | $\dashv$ |
|               | 29       | $\vdash$   | Н               | $\dashv$ | $\dashv$        | +             | .        | $\dashv$   | +        | -     |  | 79           |                 | +-       | ╂━╂             |               | +-     |                     | -        |    |          | 129        | -              |         | ╂            | ├            | -               | -        |                | $\dashv$ |
|               | 30       | <u> </u>   | $\vdash$        | $\dashv$ | $\dashv$        | +             | +        | $\dashv$   | +        | -     |  | 80           | $\vdash$        | +        | 1 1             | +             | +      |                     | -        |    |          | 130        |                |         | +-           | -            |                 | $\dashv$ | $\dashv$       | $\dashv$ |
|               | 31       |  | -1              | -        | $\dashv$        | +             | +        | -          | +        | -     | -  | 81           | $\vdash$        | +        | 1 1             | +             | +      | $\vdash$            | -        |    |          | 131        | -              | +-      | +            | -            |                 | $\dashv$ | +              | $\dashv$ |
|               | 32       | -  | Н               | -        | $\dashv$        | +             | +        | $\dashv$   | +        | -     |  | 82           | $\vdash \vdash$ | +        | $\vdash$        | +             | +      | $\vdash$            | $\dashv$ | ŀ  | -        | 132        | +              | +       | +            | $\vdash$     | $\vdash$        | $\dashv$ | $\dashv$       | $\dashv$ |
|               | 33       | $\vdash$   | $\vdash$        |          |                 | +             | +        | -+         |          | ٠     |  | 83           | $\vdash \vdash$ | +-       | +               | +             | +      | $\vdash$            | $\dashv$ | ŀ  | $\dashv$ | 133        | +              | +       | +            | $\vdash$     | $\vdash$        | $\dashv$ | $\dashv$       | $\dashv$ |
|               | 34       | $\vdash$   | $\vdash \vdash$ | $\dashv$ | $\dashv$        | +             | $\dashv$ | -+         | $\dashv$ | -     | <del>                                     </del> | 84           | $\vdash \vdash$ | +-       | ┼╌┤             | +             | +-     | $\vdash \vdash$     | $\dashv$ | ŀ  |          | 134        | +              | +       | +            | -            | $\vdash$        | $\dashv$ | $\dashv$       | $\dashv$ |
|               | 35       | $\vdash$   | $\vdash$        |          | $\dashv$        | 十             |          | 十          |          | 1     | <del></del>                                      | 85           | $\vdash$        | -        | $\vdash$        |               | +      | $\vdash$            | $\dashv$ | ŀ  |          | 135        | -+             | +       | +            | $\vdash$     | $\vdash$        | +        | -+             | $\dashv$ |
|               | 36       | $\vdash$   | $\vdash$        |          | $\dashv$        | +             | -        | 十          |          | 1     |  | 86           | $\vdash$        | +        | + -             | $\dashv$      | +      | $\vdash$            | -        | ŀ  | -        | 136        | $\dashv$       | +       | +            | $\vdash$     | $\vdash \vdash$ | $\dashv$ | $\dashv$       | $\dashv$ |
|               | 37       | $\vdash$   | $\vdash \vdash$ | -        | $\dashv$        | $\dashv$      | $\dashv$ | $\dashv$   |          | 1     |  | 87           | $\vdash$        | +        | $\vdash$        | $\dashv$      | +      | $\vdash$            | -        | ŀ  | -        | 137        | $\dashv$       |         | +            | Н            | $\vdash$        | +        | $\dashv$       | $\dashv$ |
|               | 38       | H  | $\vdash \vdash$ | $\dashv$ | -+              | -             | +        | 十          | $\dashv$ | 1     | <b></b>  | 88           | $\vdash \vdash$ | +        | $\vdash$        | $\dashv$      | +      | $\vdash$            | -        | •  | $\dashv$ | 138        | $\dashv$       | +-      | +            | 1            |                 | +        | $\dashv$       | ᅱ        |
|               | 39       | <del>                                     </del> | $\vdash$        | $\dashv$ | $\dashv$        | $\dashv$      | +        | $\dashv$   | +        | 1     |  | 89           | $\vdash \vdash$ | +        | $\forall$       | $\dashv$      | +      | $\vdash$            | -        | -  |          | 139        | -+             |         | +            | 1            |                 | -        | $\dashv$       | 一        |
|               | 40       |  |                 | _        | 7               | $\dashv$      | 十        | $\dashv$   | $\top$   | 1     | <b></b>  | 90           | $\vdash$        | $\dashv$ | +-              | +             | 1      |                     | -        |    |          | 140        | $\top$         | $\top$  | T            | $\vdash$     |                 | _        | $\dashv$       | ᅱ        |
| $\neg \neg$   | 41       |  |                 | $\dashv$ | 十               | $\dashv$      | 十        | $\dashv$   | +        | 1     |  | 91           | $\vdash$        | $\top$   | $\dagger$       | $\dashv$      | $\top$ | $\vdash$            | ٦.       | ŀ  |          | 141        | _              | $\top$  | T            |              |                 | -        | 一              | ヿ        |
|               | 42       |  |                 |          | $\dashv$        | $\dashv$      | $\top$   | 十          | $\top$   | 1     |  | 92           | $\vdash$        | $\top$   | Н               | $\dashv$      | $\top$ | -                   | -        | ľ  |          | 142        | $\dashv$       | $\top$  | T            | Т            |                 | $\dashv$ | $\dashv$       | $\dashv$ |
|               | 43       |  |                 | 7        |                 | 7             | +        | 寸          | $\top$   | 1:::: |  | 93           | 1               | 1        |                 | 一十            |        |                     | ٦.       | ı  |          | 143        | $\neg$         | +       | $\top$       | T            |                 | 1        | _              | $\dashv$ |
|               | 44       | П  | $\vdash$        | $\dashv$ | +               | $\top$        | $\dashv$ | $\dashv$   |          | 1     | <b></b>  | 94           | $\vdash$        | $\top$   | П               |               |        | $\vdash$            | -        | == |          | 144        | $\neg$         | 1       | $\dagger$    | Т            | $\vdash$        | 一        | 一              | ヿ        |
| $\neg \neg$   | 45       | Н  |                 | $\dashv$ | 十               | +             | $\dashv$ | $\dashv$   | $\top$   | 1     |  | 95           | $\vdash$        | 1        | ⇈               |               | 1      |                     | ١        | ı  |          | 145        | $\neg \dagger$ | 1       | $\dagger$    | П            |                 | $\dashv$ | $\neg \dagger$ | ヿ        |
|               | 46       | П  |                 | $\dashv$ | $\neg \uparrow$ | $\top$        | $\dashv$ | $\top$     | _        | 1     |  | 96           |                 | $\top$   | Ħ               | $\dashv$      | $\top$ |                     | ٣.       | ı  |          | 146        |                |         | †            |              | $\Box$          | 寸        | $\dashv$       | $\dashv$ |
|               | 47       | М  |                 | _        | $\dashv$        | $\top$        | $\dashv$ | 寸          |          | 1     | $\vdash$   | 97           | $\Box$          | $\top$   | $\sqcap$        | $\neg$        | $\top$ |                     | ١!       |    |          | 147        | $\neg$         | $\top$  | ✝            | Т            |                 | 7        | $\neg \dagger$ | ヿ        |
|               | 48       |  |                 | $\dashv$ | 寸               | $\top$        | $\dashv$ | 十          | $\neg$   | 1     |  | 98           |                 | $\top$   | $\vdash$        | $\neg \vdash$ | +-     | $\neg \uparrow$     | 7        | ŀ  |          | 148        | $\neg$         | $\top$  | $\top$       | T            | $\neg$          | 7        | $\dashv$       | ᅱ        |
|               | 49       | М  |                 | $\dashv$ | $\top$          | $\top$        | $\top$   | 十          | $\top$   | 1     |  | 99           |                 | $\top$   | ⇈               | $\dashv$      | $\top$ | $\vdash \uparrow$   | 1        | ŀ  | $\neg$   | 149        | $\neg \vdash$  | ┪       | $\top$       |              |                 | 7        | $\dashv$       | ヿ        |
| $\overline{}$ | 50       | $\vdash$   |                 | $\dashv$ | $\dashv$        | $\dashv$      | $\dashv$ | 十          | $\top$   | 1     |  | 100          |                 | +-       | $\sqcap$        | $\dashv$      | $\top$ | $\vdash$            | 1        | ŀ  |          | 150        | 十              | $\top$  | †            |              | $\Box$          | 7        | $\dashv$       | $\dashv$ |
|               |          |  | ш               |          |                 |               |          |            |          |       |  |              |                 |          |                 |               |        |                     |          |    |          |            |                |         |              | •            | -               |          |                |          |